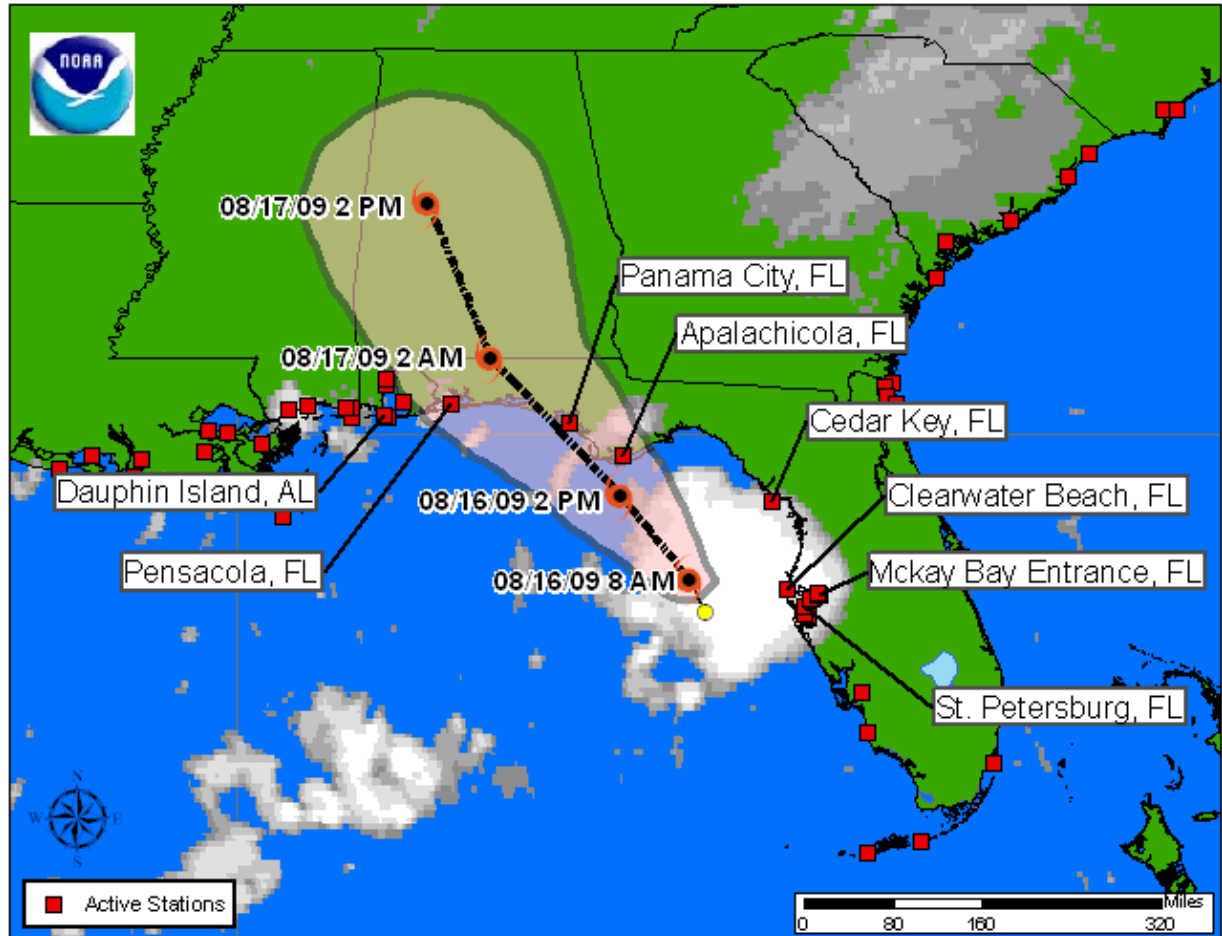




Tropical Depression FOUR QuickLook  
Posted: 09:30 EDT 08/16/2009

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 08/16/2009 09:30 EDT, water levels from St. Petersburg, FL to Apalachicola, FL are rising and range between 0.5 to 0.9 ft above predicted. Wind gusts upto 25 knots have been observed in the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

St. Petersburg, FL: Next predicted high tide is 2.8 ft (0.84 m) at 08/16/2009 10:00 EDT.

Mckay Bay Entrance, FL: Next predicted high tide is 3.2 ft (0.96 m) at 08/16/2009 10:00 EDT.

Clearwater Beach, FL: Next predicted high tide is 2.0 ft (0.60 m) at 08/16/2009 23:30 EDT.

**Cedar Key, FL: Next predicted high tide is 4.1 ft (1.25 m) at 08/16/2009 10:06 EDT.**

**Apalachicola, FL: Next predicted high tide is 2.0 ft (0.60 m) at 08/16/2009 10:54 EDT.**

**Panama City, FL: Next predicted high tide is 2.0 ft (0.61 m) at 08/17/2009 07:54 CDT.**

**Pensacola, FL: Next predicted high tide is 2.1 ft (0.63 m) at 08/17/2009 08:48 CDT.**

**Dauphin Island, AL: Next predicted high tide is 1.9 ft (0.57 m) at 08/17/2009 08:06 CDT.**

**For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.**

**Analyst: CF**

-----

**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**TROPICAL DEPRESSION FOUR INTERMEDIATE ADVISORY NUMBER 1A**

**800 AM EDT SUN AUG 16 2009**

**...DEPRESSION MOVING NORTH-NORTHWESTWARD HEADING FOR THE NORTHERN GULF COAST OF FLORIDA...**

**A TROPICAL STORM WARNING REMAINS IN EFFECT FROM THE ALABAMA/FLORIDA BORDER EASTWARD TO THE SUWANNEE RIVER FLORIDA. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 24 HOURS.**

**AT 800 AM EDT THE CENTER OF TROPICAL DEPRESSION FOUR WAS LOCATED ABOUT 125 MILES SOUTH-SOUTHEAST OF APALACHICOLA FLORIDA.**

**THE DEPRESSION IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 16 MPH AND THIS MOTION IS EXPECTED TO CONTINUE TODAY. ON THE FORECAST TRACK THE CENTER OF THE DEPRESSION SHOULD BE VERY NEAR THE NORTHERN GULF COAST OF FLORIDA BY LATE THIS AFTERNOON.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 35 MPH WITH HIGHER GUSTS. STRENGTHENING IS EXPECTED AND THE DEPRESSION IS FORECAST TO BECOME A TROPICAL STORM PRIOR TO REACHING THE COASTLINE.**

**ESTIMATED MINIMUM CENTRAL PRESSURE IS 1011 MB.**

**RAINFALL ACCUMULATIONS OF 3 TO 5 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 10 INCHES ACROSS PORTIONS OF NORTH FLORIDA NEAR THE PATH OF THE CENTER.**

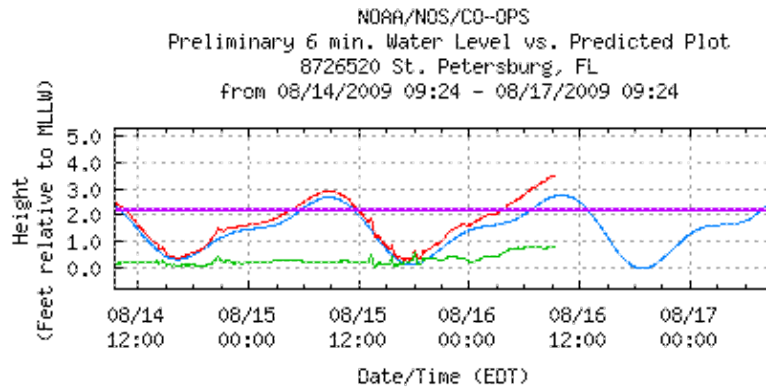
**COASTAL STORM SURGE FLOODING OF 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS CAN BE EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER MAKES LANDFALL.**

**FORECASTER BRENNAN/ROBERTS**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [St. Petersburg - Air/Water Temp](#), [Mckay Bay Entrance - Water Level](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Cedar Key - Water Level](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Panama City - Barometric](#), [Panama City - Air/Water Temp](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Pensacola - Barometric](#), [Pensacola - Air/Water Temp](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Dauphin Island - Air/Water Temp](#),

**St. Petersburg, FL - Station Map** [Return to List](#)



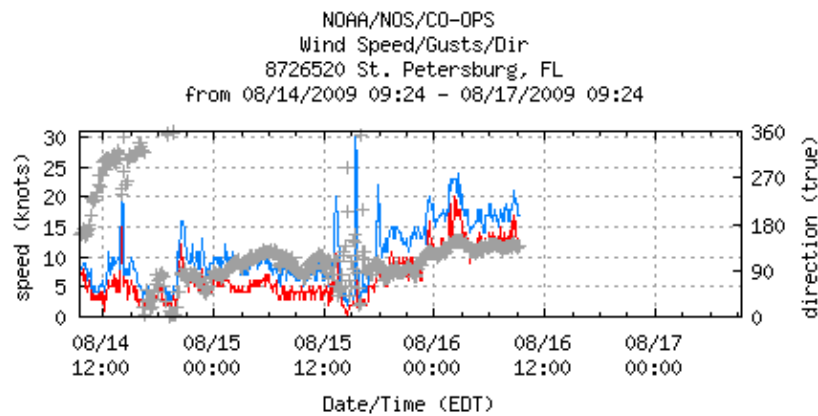
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/16/2009 09:12 (EDT)

Relative to **MLLW**: **Observed: 3.47 ft. Predicted: 2.72 ft. Residual: 0.75 ft.**

Historical Maximum Water Level: 08/31/1985, 4 ft. above **MHHW**

**St. Petersburg, FL - Station Map** [Return to List](#)

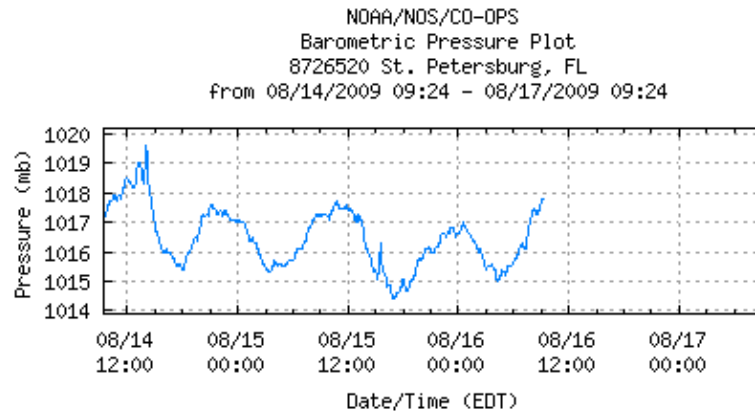


speed — gusts — direction +

Last Observed Sample: 08/16/2009 09:12 (EDT)

**Wind Speed: 11 knots Gusts: 17 knots Direction: 137° T**

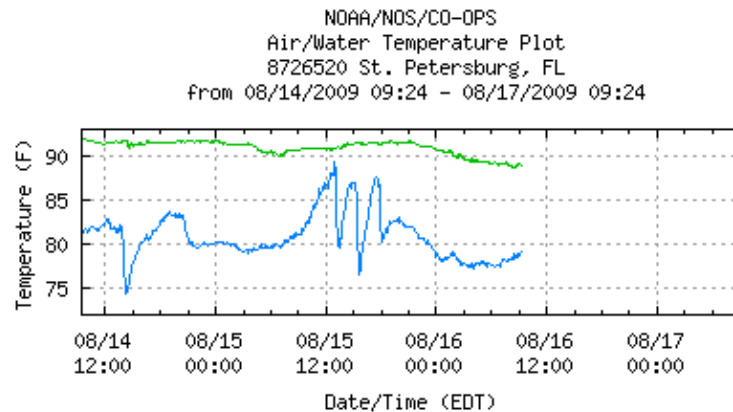
**St. Petersburg, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:12 (EDT)

Barometric Pressure: 1017.8 mb

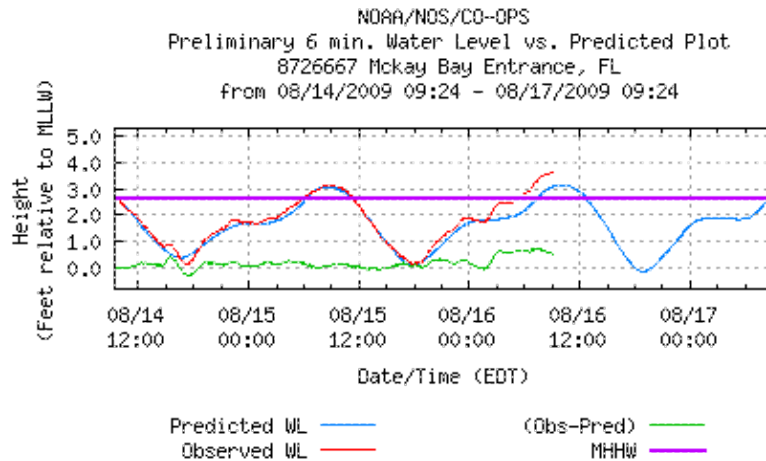
**St. Petersburg, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:12 (EDT)

Water Temperature: 88.8° F Air Temperature: 79.1° F

**Mckay Bay Entrance, FL** - [Station Map](#) [Return to List](#)

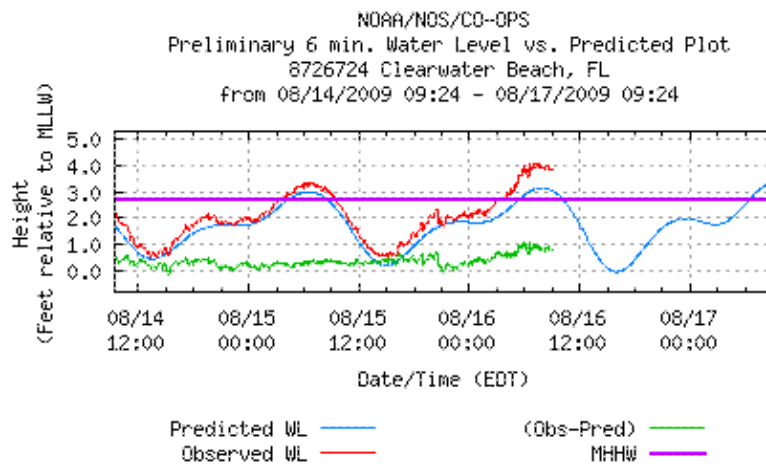


Last Observed Sample: 08/16/2009 09:06 (EDT)

Relative to **MLLW**: **Observed: 3.61 ft. Predicted: 3.09 ft. Residual: 0.52 ft.**

Historical Maximum Water Level: 10/08/1996, 4.3 ft. above **MHHW**

**Clearwater Beach, FL** - [Station Map](#) [Return to List](#)

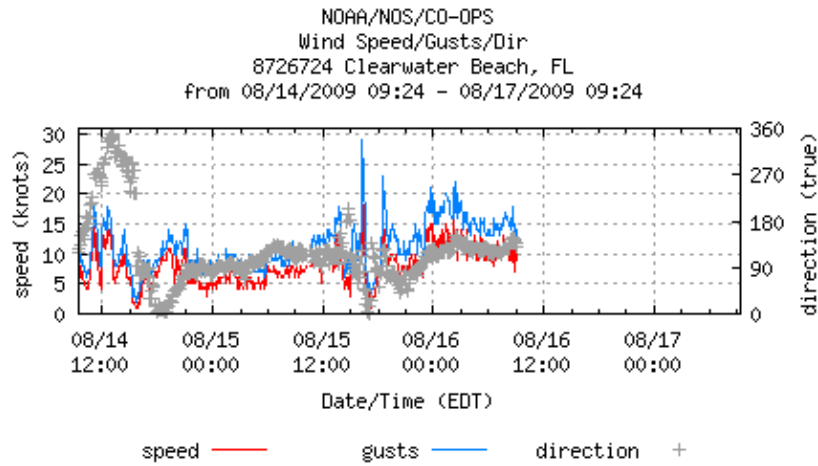


Last Observed Sample: 08/16/2009 09:06 (EDT)

Relative to **MLLW**: **Observed: 3.82 ft. Predicted: 3.03 ft. Residual: 0.79 ft.**

Historical Maximum Water Level: 03/13/1993, 4.05 ft. above **MHHW**

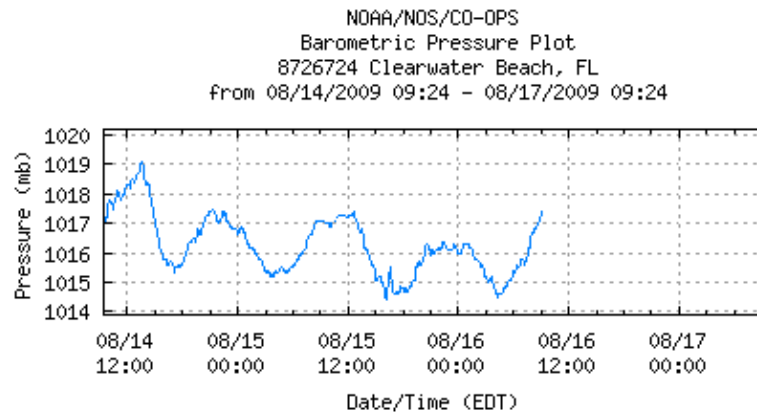
**Clearwater Beach, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:06 (EDT)

Wind Speed: 9 knots Gusts: 14 knots Direction: 130° T

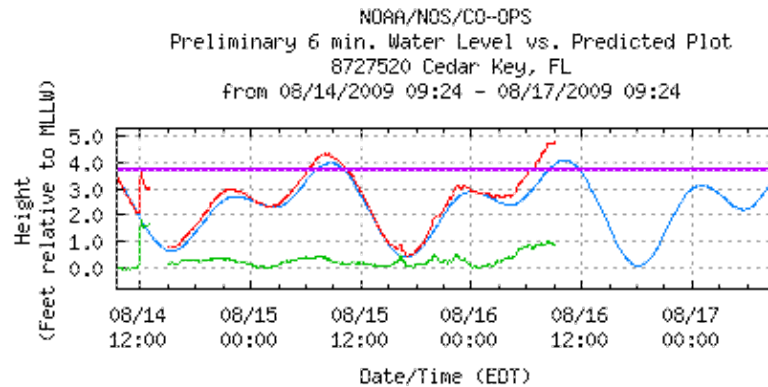
**Clearwater Beach, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:06 (EDT)

Barometric Pressure: 1017.4 mb

**Cedar Key, FL - Station Map** [Return to List](#)



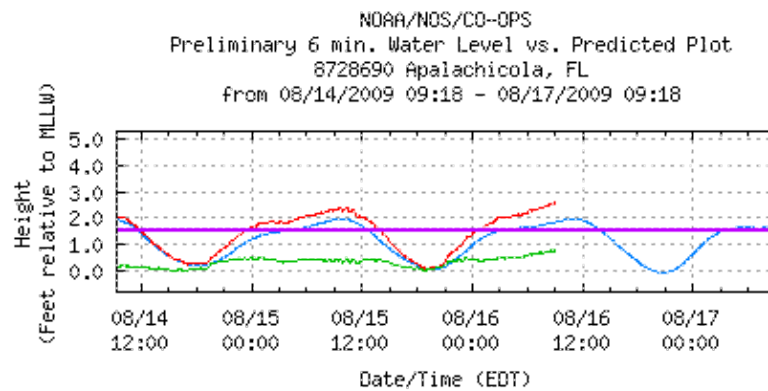
Predicted WL ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

Last Observed Sample: 08/16/2009 09:06 (EDT)

Relative to **MLLW**: **Observed: 4.82 ft. Predicted: 3.95 ft. Residual: 0.87 ft.**

Historical Maximum Water Level: 10/07/1996, 5.15 ft. above **MHHW**

**Apalachicola, FL - Station Map** [Return to List](#)



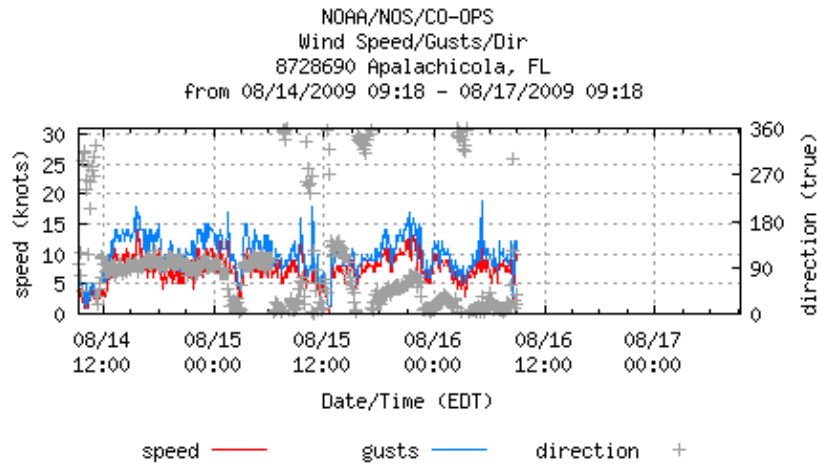
Predicted WL ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

Last Observed Sample: 08/16/2009 09:00 (EDT)

Relative to **MLLW**: **Observed: 2.62 ft. Predicted: 1.84 ft. Residual: 0.78 ft.**

Historical Maximum Water Level: 11/21/1985, 5.69 ft. above **MHHW**

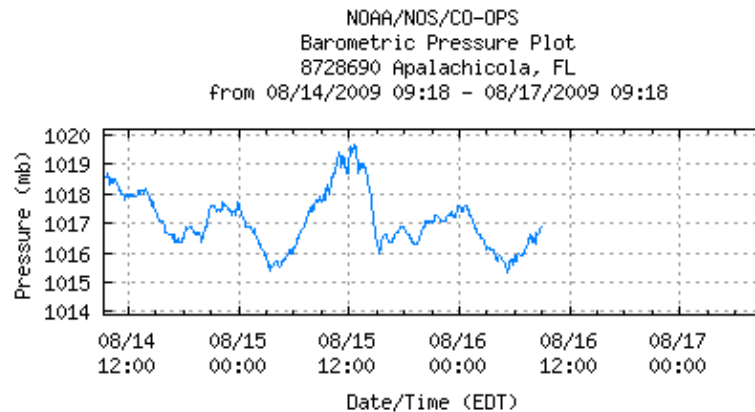
**Apalachicola, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:00 (EDT)

Wind Speed: 10 knots Gusts: 12 knots Direction: 019° T

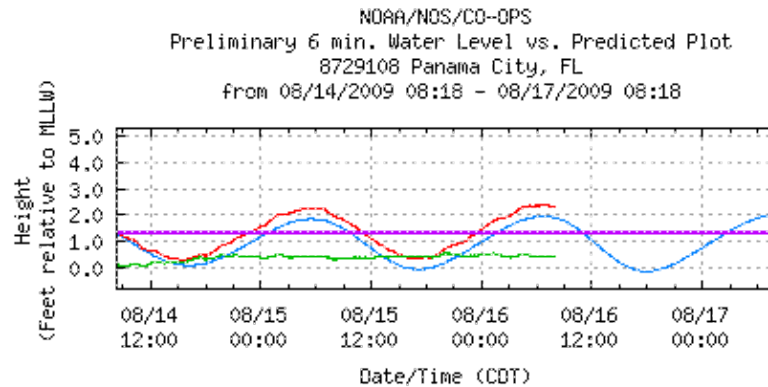
**Apalachicola, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 09:00 (EDT)

Barometric Pressure: 1016.9 mb

**Panama City, FL - Station Map** [Return to List](#)

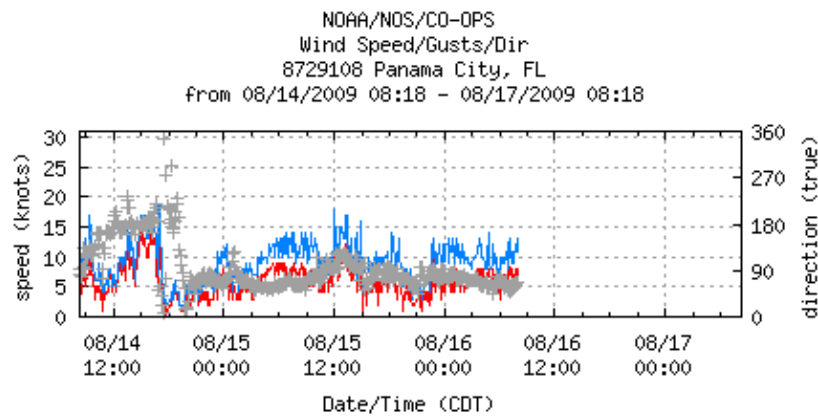


Last Observed Sample: 08/16/2009 08:00 (CDT)

Relative to **MLLW**: **Observed: 2.33 ft. Predicted: 1.90 ft. Residual: 0.43 ft.**

Historical Maximum Water Level: 10/04/1995, 5.72 ft. above **MHHW**

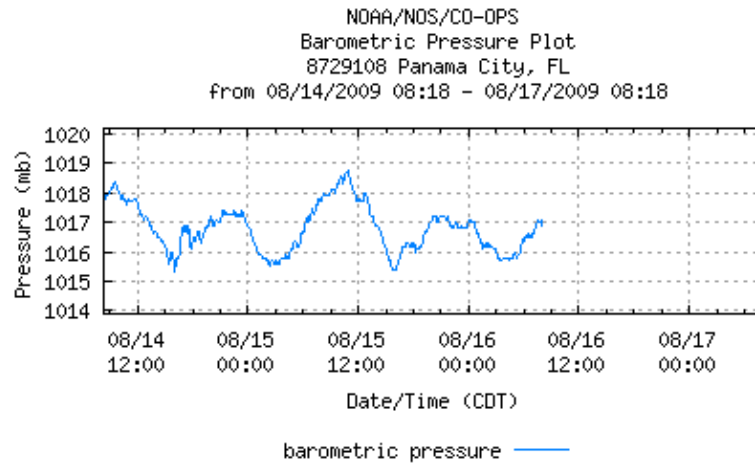
**Panama City, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:00 (CDT)

**Wind Speed: 8 knots Gusts: 11 knots Direction: 066° T**

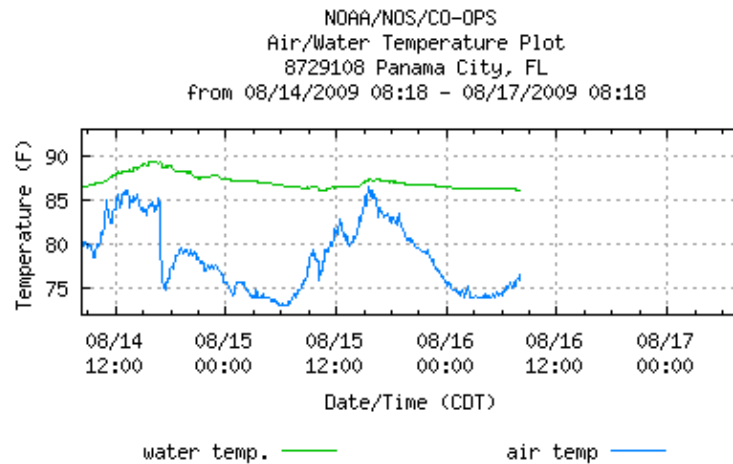
**Panama City, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:00 (CDT)

Barometric Pressure: 1017.1 mb

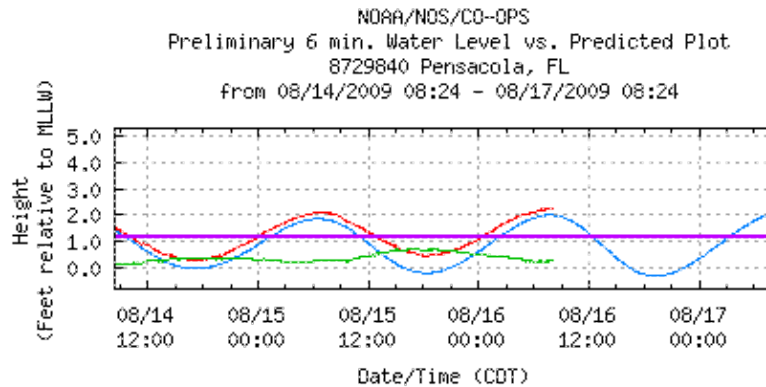
**Panama City, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:00 (CDT)

Water Temperature: 86.0° F Air Temperature: 76.5° F

**Pensacola, FL - Station Map** [Return to List](#)

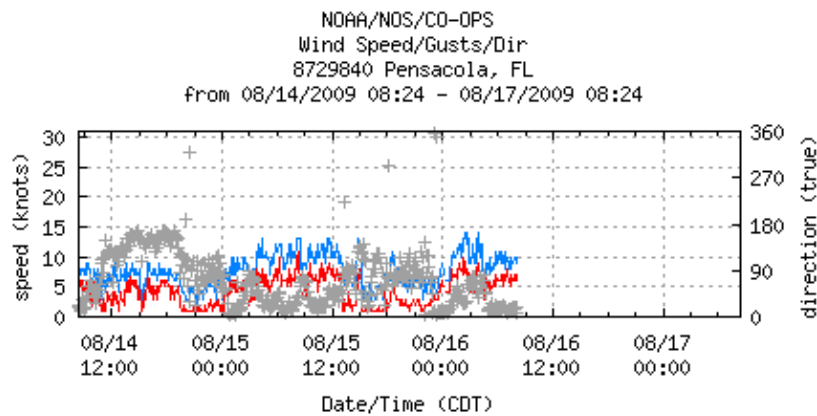


Last Observed Sample: 08/16/2009 08:06 (CDT)

Relative to **MLLW**: **Observed: 2.24 ft. Predicted: 1.99 ft. Residual: 0.25 ft.**

Historical Maximum Water Level: 09/18/1926, 7.41 ft. above **MHHW**

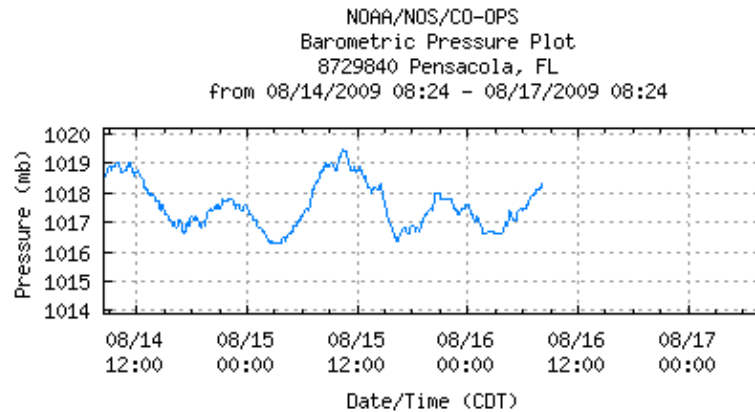
**Pensacola, FL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:06 (CDT)

**Wind Speed: 7 knots Gusts: 9 knots Direction: 009° T**

**Pensacola, FL - Station Map** [Return to List](#)

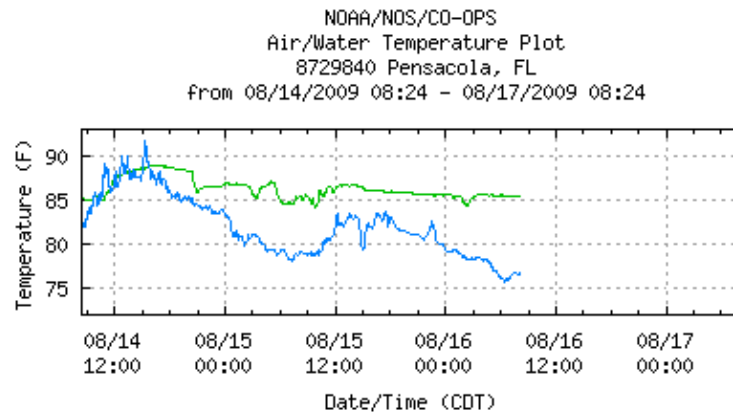


barometric pressure —

**Last Observed Sample: 08/16/2009 08:06 (CDT)**

**Barometric Pressure: 1018.3 mb**

**Pensacola, FL - Station Map** [Return to List](#)

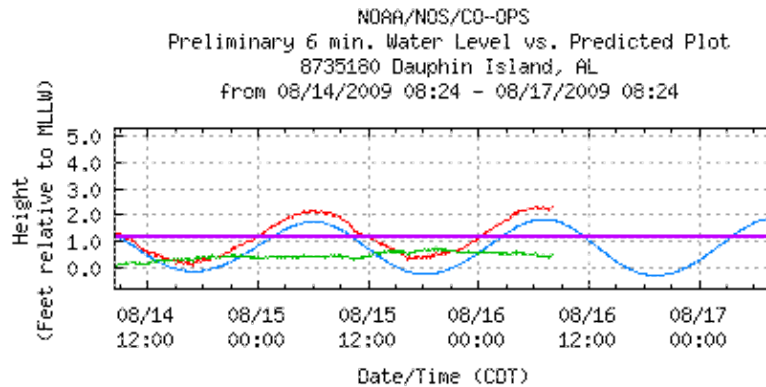


water temp. — air temp —

**Last Observed Sample: 08/16/2009 08:06 (CDT)**

**Water Temperature: 85.3° F Air Temperature: 76.5° F**

**Dauphin Island, AL - Station Map** [Return to List](#)

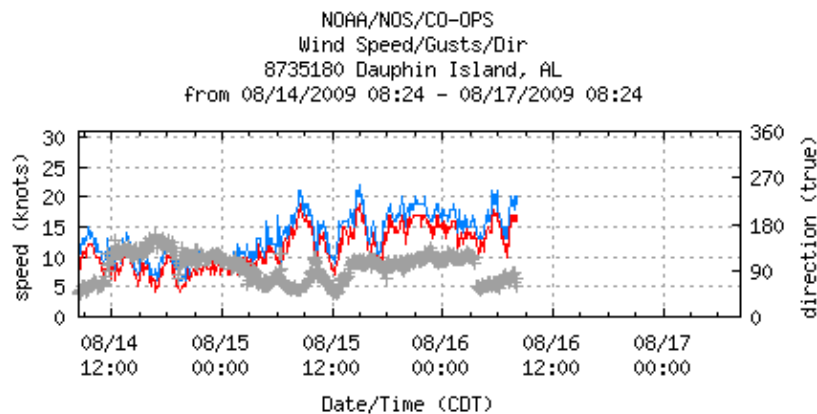


Last Observed Sample: 08/16/2009 08:06 (CDT)

Relative to **MLLW**: **Observed: 2.30 ft. Predicted: 1.80 ft. Residual: 0.50 ft.**

Historical Maximum Water Level: 09/02/1985, 3.36 ft. above **MHHW**

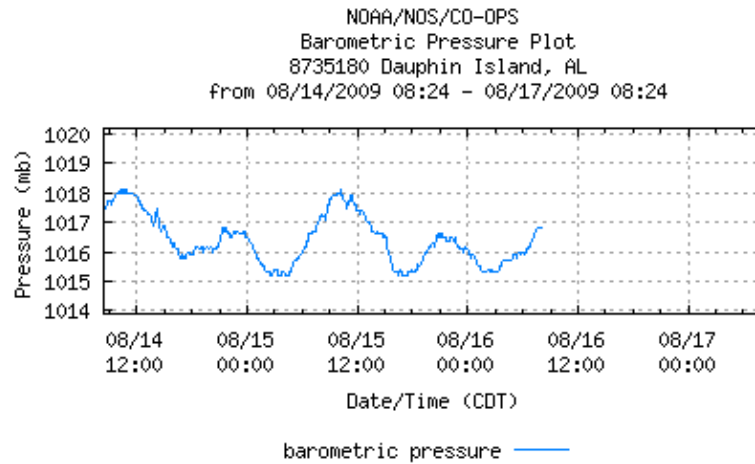
**Dauphin Island, AL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:06 (CDT)

**Wind Speed: 16 knots Gusts: 19 knots Direction: 061° T**

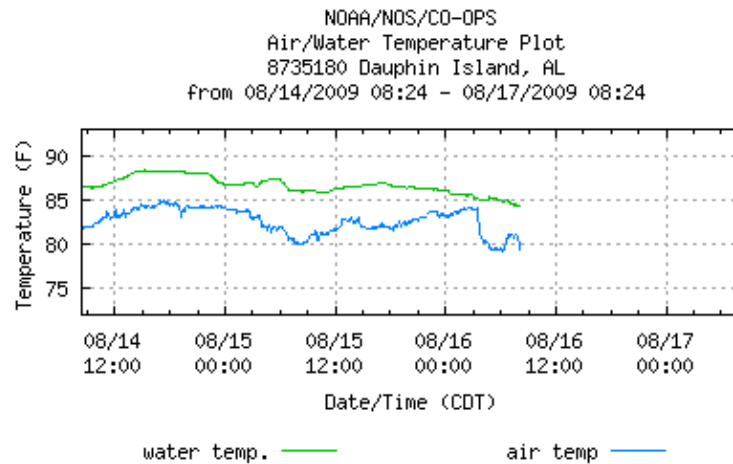
**Dauphin Island, AL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:06 (CDT)

Barometric Pressure: 1016.8 mb

**Dauphin Island, AL - Station Map** [Return to List](#)



Last Observed Sample: 08/16/2009 08:06 (CDT)

Water Temperature: 84.4° F Air Temperature: 79.3° F

## Tropical Depression FOUR QuickLook, POSTED 09:30 EDT 08/16/2009

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce